

**To:** Sayles, Gregory[Sayles.Gregory@epa.gov]  
**From:** Garland, Jay  
**Sent:** Thur 11/23/2017 12:15:06 AM  
**Subject:** Re: WaterGen T&E Questions

Tx Greg. I set up of a meeting next week to plan logistics (Jim and john included). I appreciate your willingness to help support this effort.

Have a great thanksgiving

Sent from my iPhone

On Nov 22, 2017, at 4:41 PM, Sayles, Gregory <[Sayles.Gregory@epa.gov](mailto:Sayles.Gregory@epa.gov)> wrote:

Exchanged emails with Jim today. He is happy to meet with you next week. Invite John hall too. Best wishes

Greg  
Gregory Sayles, PhD  
National Homeland Security Research Center  
U.S. Environmental Protection Agency  
Desk 513-569-7607  
Mobile 513-305-9984

On Nov 21, 2017, at 9:01 PM, Garland, Jay <[Garland.Jay@epa.gov](mailto:Garland.Jay@epa.gov)> wrote:

You free at 10?

Sent from my iPhone

On Nov 21, 2017, at 8:53 PM, Sayles, Gregory <[Sayles.Gregory@epa.gov](mailto:Sayles.Gregory@epa.gov)> wrote:

Yes. Till about 3.

Greg  
Gregory Sayles, PhD  
National Homeland Security Research Center  
U.S. Environmental Protection Agency  
Desk 513-569-7607  
Mobile 513-305-9984

On Nov 21, 2017, at 8:47 PM, Garland, Jay <[Garland.Jay@epa.gov](mailto:Garland.Jay@epa.gov)> wrote:

Are you in tomorrow to discuss?

Sent from my iPhone

Begin forwarded message:

**From:** "Weber, Josh" <[Weber.Josh@epa.gov](mailto:Weber.Josh@epa.gov)>  
**Date:** November 21, 2017 at 5:17:57 PM EST  
**To:** "Garland, Jay" <[Garland.Jay@epa.gov](mailto:Garland.Jay@epa.gov)>  
**Cc:** "Goodrich, James" <[Goodrich.James@epa.gov](mailto:Goodrich.James@epa.gov)>, "Corn, Ruth" <[Corn.Ruth@epa.gov](mailto:Corn.Ruth@epa.gov)>  
**Subject: RE: WaterGen T&E Questions**

Jay,

Can you provide some insight into what you are trying to accomplish with WaterGen and whether or not support is expected from the APTIM contract staff at T&E? Jim mentioned a CRADA you have with WaterGen and analysis of the generated water but that is all I know.

Josh Weber

Facility Manager

Environmental Compliance Officer

US EPA National Risk Management Research Laboratory

26 W. Martin Luther King Drive

Cincinnati OH 45268

513.569.7845

**From:** Garland, Jay  
**Sent:** Tuesday, November 21, 2017 5:00 PM  
**To:** Schupp, Don <[REDACTED] Ex. 4 - CBI>  
**Cc:** Goodrich, James <Goodrich.James@epa.gov>; Weber, Josh <Weber.Josh@epa.gov>; radha.krishnan@[REDACTED] Ex. 4 - CBI Meiners, Greg <[REDACTED] Ex. 4 - CBI>  
**Subject:** RE: WaterGen T&E Questions

A question from watergen.

The power we need is: [REDACTED] Ex. 4 - CBI  
[REDACTED] Ex. 4 - CBI  
[REDACTED] Ex. 4 - CBI

We like to know the connector type and how long the cabal should be.

Can you provide a response?

**From:** Schupp, Don <[REDACTED] Ex. 4 - CBI>  
**Sent:** Tuesday, November 21, 2017 12:56 PM  
**To:** Garland, Jay <Garland.Jay@epa.gov>  
**Cc:** Goodrich, James <Goodrich.James@epa.gov>; Weber, Josh <Weber.Josh@epa.gov>; radha.krishnan@[REDACTED] Ex. 4 - CBI Meiners, Greg <[REDACTED] Ex. 4 - CBI>  
**Subject:** RE: WaterGen T&E Questions

Jay,

I spoke with our electrician (Gary Lubbers). He said that we have sufficient power at the T&E Facility to power the WaterGen unit. With

**Ex. 4 - CBI** we will need approximately **Ex. 4 - CBI** and we can go as high as **Ex. 4 - CBI** We will need to see if they need either **Ex. 4 - CBI** V and the specific connector that they have, but it should be doable.

Also, as we discussed, the T&E highbay is heated in the winter to approximately **Ex. 4 - CBI** but I believe that EPA Facilities controls that temperature. It is not ever cooled or humidity controlled. We have two large environmental chambers in the highbay, but they have not been actively used (temperature or humidity controlled) for about 10 years and need significant work to get in operating condition.

Please let us know if you have any questions, and we look forward to seeing the unit at T&E.

Don

<image001.jpg>

Don Schupp, P.E.

**Ex. 4 - CBI**

**From:** Krishnan, Radha

**Sent:** Tuesday, November 21, 2017 10:51 AM  
**To:** Meiners, Greg <[Ex. 4 - CBI]>; Schupp, Don  
<[Ex. 4 - CBI]>  
**Subject:** Fwd: WaterGen T&E Questions

Can either of you touch base with Jay Garland in my absence? Thanks.

Sent from my iPhone

Begin forwarded message:

**From:** "Goodrich, James" <Goodrich.James@epa.gov>  
**Date:** November 21, 2017 at 10:05:51 AM EST  
**To:** "Garland, Jay" <Garland.Jay@epa.gov>  
**Cc:** "Weber, Josh" <Weber.Josh@epa.gov>, "radha.krishnan@[Ex. 4 - CBI]" <Radha.Krishnan@[Ex. 4 - CBI]>, "Ernst, Hiba" <Ernst.Hiba@epa.gov>  
**Subject:** WaterGen T&E Questions

Hi Jay,

For electrical and other HVAC issues I would refer you to Radha. Gary Lubbers on his staff should be able to handle such questions. In regards to humidity control, there is the Environmental Chamber (phytoremediation projects) that might be able to conduct experiments with different humidity levels, although I'm not sure the medium size WaterGen unit would fit through the door.

*Jim*

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*James A. Goodrich, Ph.D.*

Sr. Science Advisor

Water Infrastructure Protection Division

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